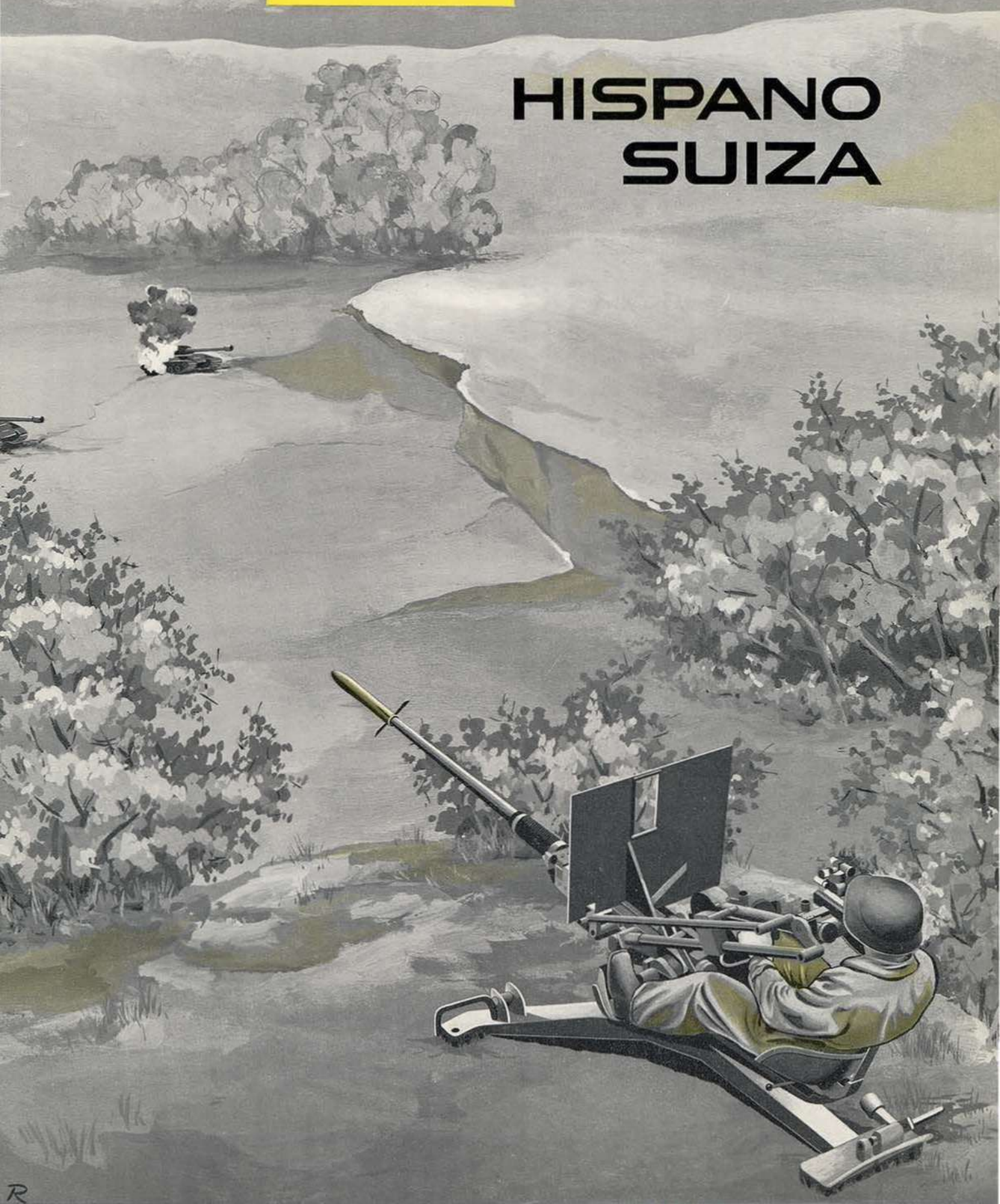




**PATTON**

**HISPANO  
SUIZA**







# Hispano Suiza Anti-tank grenade Type P 75 C for 20 and 30 mm Hispano Suiza guns

## General

Designed for use by all troops against armour, the Hispano Suiza anti-tank grenade is the most efficient of modern grenades by reason of the well-known effects of the hollow charge: perforation of steel and reinforced concrete, destruction behind the armour and incendiary effect on inflammable liquids.

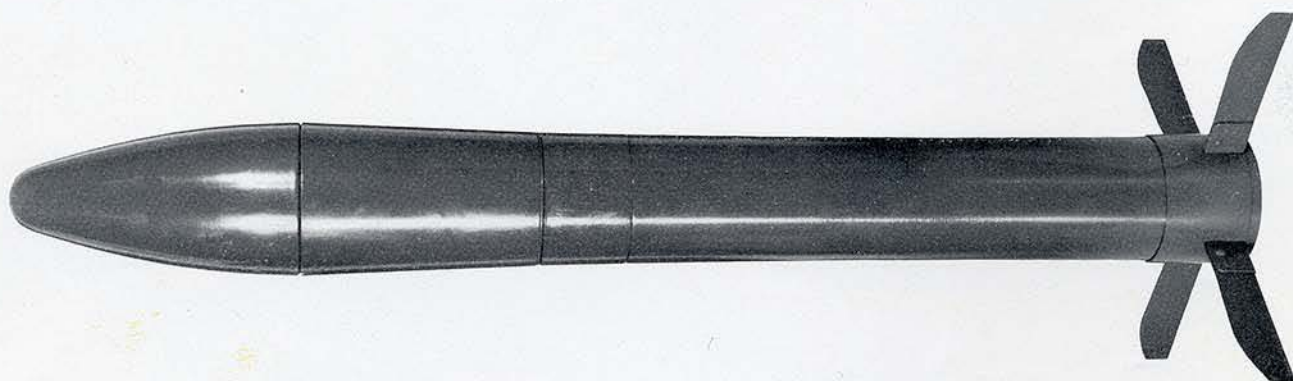
## Description

### Detonation

by instantaneous electric ignition.

The explosion of the charge always occurs at the distance of maximum efficiency, thus ensuring consistent performance. The delay between impact and explosion is of the order of 50 microseconds ( $50 \times 10^{-6}$  sec.).

Ignition and efficiency are independent of the speed at impact.



**Functioning**

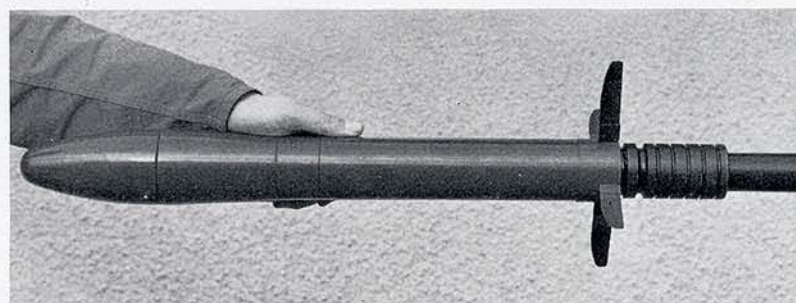
efficacious against all surfaces at impact angles less than  $90^\circ$ .

**Perforation**

identical for all impact angles between  $10^\circ$  and  $90^\circ$ , irrespective of the state of the surface, and for temperatures between  $-35^\circ$  and  $+55^\circ$  C.

**Operates**

under all atmospheric conditions.







### **Muzzle Security**

absolute. The grenade is not active until it has travelled several metres. If it should strike prematurely an obstacle (wall, tree, ground, camouflage etc.), it will remain inert and may be handled without special precautions.

### **Transport Security**

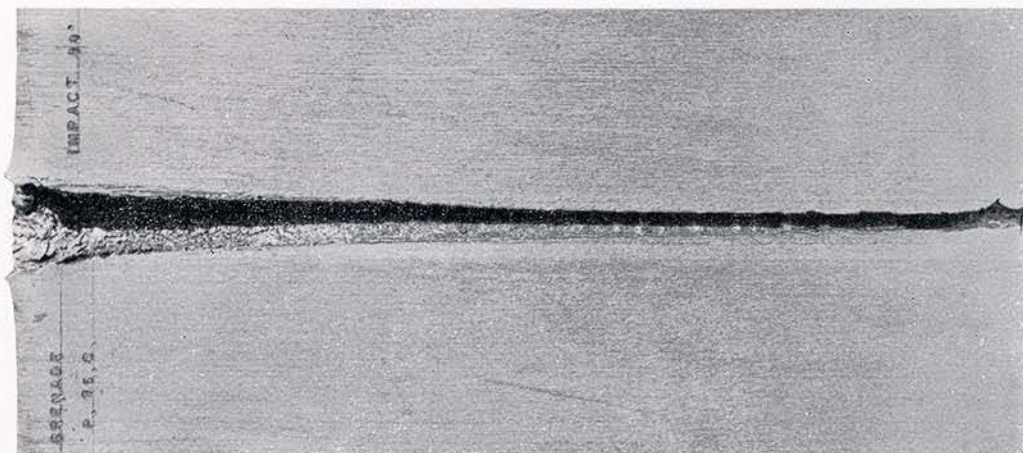
guaranteed. In no case can dropping a container explode the contents. They can be dropped by parachute under the same conditions as other explosives.

### **Storage Security**

absolute. The charge is separated by its packing from the detonator. Explosion of the latter cannot explode the grenade.



Perforation of armour plate  $R = 85-90 \text{ kg/mm}^3$   
Thickness 350 mm, impact angle  $90^\circ$



350 mm

Entry: diameter 30 mm

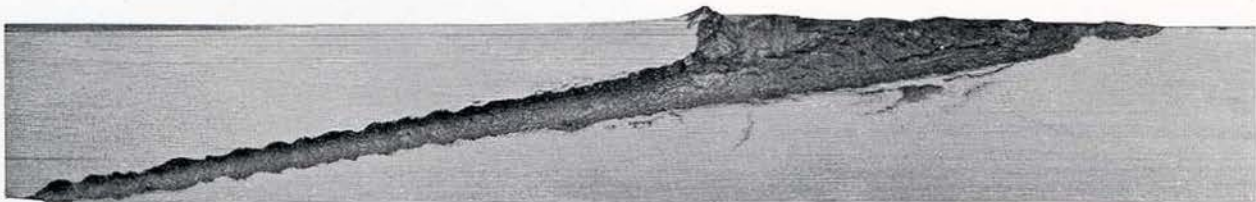


Exit: diameter 7 mm





Perforation of armour plate  $R = 85\text{--}90\text{ kg/mm}^2$   
Thickness 50 mm, impact angle  $10^\circ$



Technical Data

Dimensions and Weights

Diameter . . . . .  
Length . . . . .  
Total weight . . . . .  
Weight of explosive . . . . .

Ballistics

Initial speed . . . . .  
Max. range . . . . .  
Practical range against mobile target . . . . .  
Practical range against fixed target . . . . .  
50% dispersion as percentage of range . . . . .

Penetration

Armour plate  $90\text{ kg/mm}^2$  . . . . .  
Reinforced concrete . . . . .  
Sensitivity { carton . . . . .  
              { avional . . . . .  
Dropping security on steel . . . . .  
Muzzle safety . . . . .

with Hispano Suiza 20 mm gun type 804	
	75 mm
	590 mm
	16 380 g
	515 g
	~ 125 m/seg
	~ 1300 m
	300 m
	500 m
	~ 0,6%
	~ 340-370 mm
	~ 700 mm
	4 mm
	1 mm
	2 m
	8 m

Dummy grenades for handling practice and exercise are available for all types. They have the same ballistic properties as the active grenades.